

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 11/22/2010

Control	6193-71-001
Project	RMC - 619371001
Highway	IH0410
County	BEXAR

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: RMC - 619371001

CONTROL: 6193-71-001

COUNTY: BEXAR

LETTING: 12/08/2010

REFERENCE NO: 1122

PROPOSAL ADDENDUMS

_ PROPOSAL COVER

X BID INSERTS (SH. NO.: 1-3 & 2-3)

X GENERAL NOTES (SH. NO.: ALL)

_ SPEC LIST (SH. NO.:)

_ SPECIAL PROVISIONS:

ADDED:

DELETED:

_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

_ OTHER:

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

REVISIONS TO ALL PAGES OF THE GENERAL NOTES

CHANGED ITEM 316-2005 TO 316-2542

CHANGED QUANTITY OF ITEM 502-2001 FROM 2 TO 3

CHANGED QUANTITY OF ITEM 6834-2001 FROM 40 TO 60

ADDED ITEM 454-2007

PLANS SHEET CHANGES: TITLE SHEET, SHEETS 3-6 & SHEETS 32-38

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	316	2223		AGGR(TY-PB GR-4 SAC-B) DOLLARS and CENTS	CY	1,249.000	1
	316	2542	016	ASPH(AC-15P OR AC-20-5TR OR AC-20XP) DOLLARS and CENTS	GAL	41,173.000	2
	341	2120	024	D-GR HMA(QCQA) TY-D SAC-B PG70-22 DOLLARS and CENTS	TON	11,326.000	3
	351	2004		FLEXIBLE PAVEMENT STRUCTURE REPAIR(8") DOLLARS and CENTS	SY	5,641.000	4
	354	2041		PLANE ASPH CONC PAV (1.5") DOLLARS and CENTS	SY	137,239.000	5
	454	2006		HEADER TYPE EXPANSION JOINT DOLLARS and CENTS	LF	480.000	6
	454	2007		HEADER TYPE EXPANSION JOINT DOLLARS and CENTS	CF	180.000	7
	500	2001	005	MOBILIZATION DOLLARS and CENTS	LS	1.000	8
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	3.000	9
	662	2001		WK ZN PAV MRK NON-REMOV (W) 4" (BRK) DOLLARS and CENTS	LF	7,560.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	662	2004		WK ZN PAV MRK NON-REMOV (W) 4" (SLD) DOLLARS and CENTS	LF	14,990.000	11
	662	2032		WK ZN PAV MRK NON-REMOV (Y) 4" (SLD) DOLLARS and CENTS	LF	15,124.000	12
	662	2113		WK ZN PAV MRK SHT TERM (TAB) TY W DOLLARS and CENTS	EA	3,138.000	13
	666	2036		REFL PAV MRK TY I (W) 8" (SLD)(100MIL) DOLLARS and CENTS	LF	3,385.000	14
	666	2039		REFL PAV MRK TY I (W) 12"(LNDP)(100MIL) DOLLARS and CENTS	LF	269.000	15
	666	2042		REFL PAV MRK TY I (W) 12"(SLD)(100MIL) DOLLARS and CENTS	LF	901.000	16
	666	2048		REFL PAV MRK TY I (W) 24"(SLD)(100MIL) DOLLARS and CENTS	LF	631.000	17
	666	2054		REFL PAV MRK TY I (W) (ARROW) (100MIL) DOLLARS and CENTS	EA	4.000	18
	666	2096		REFL PAV MRK TY I (W) (WORD) (100MIL) DOLLARS and CENTS	EA	4.000	19
	666	2206		REFL PAV MRK TY I(W)(LEGENDS)(100MIL) DOLLARS and CENTS	SF	80.000	20
	672	2017	034	REFL PAV MRKR TY II-C-R DOLLARS and CENTS	EA	712.000	21

PROJECT RMC - 619371001
COUNTY BEXAR

PROPOSAL SHEET
TxDOT
FORM 234-B I-61-5M

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	6834	2001		PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	DAY	60.000	22
	8251	2003	005	RE PM W/RET REQ TY I(W)4"(BRK)(100MIL) DOLLARS and CENTS	LF	10,010.000	23
	8251	2006	005	RE PM W/RET REQ TY I(W)4"(SLD)(100MIL) DOLLARS and CENTS	LF	22,583.000	24
	8251	2018	005	RE PM W/RET REQ TY I(Y)4"(SLD)(100MIL) DOLLARS and CENTS	LF	23,124.000	25

General Notes**Basis of Estimate****===== Asphalt Concrete Pavement =====**

Type	Location	Depth	Rate / Area	Quantity
Ty B	Pavement Repair	8 in	880 lbs / 5641 sy	2,483 tons*
Ty D	Surface Mix	1.5 in	165 lbs / 137,239 sy	11,323 tons

* For Contractor's Information Only

===== Surface Treatment Data =====

IH 410 Mainlanes	Area = 137,239 sy	
	Asphalt – Rate (gal/sy)	0.30 / 1 = 41,173 gal
	Aggregate – Type / Grade	Ty PB / Gr 4, SAC B
	Aggregate – Rate (cy/sy)	1 / 110 = 1249 cy

TxDOT Project Supervisor – The project will be managed by:

Michael R. Acosta, P.E.
9320 SE Loop 410
San Antonio, TX 78223
Phone: 210-633-1424

This project consists of pavement repair, planing, seal coat, hot mix overlay and pavement markings on the IH 410 Mainlanes between Medina Base Road and US 90 in Bexar County.

Each contract awarded by the Department stands on its own and as such, is separate from other contracts. A contractor awarded multiple contracts, must be capable and sufficiently staffed to concurrently process any or all contracts at the same time.

Notify the Engineer's office by telephone each morning by 8:15 a.m. that work is scheduled, with work location and time of arrival or reason for not working that day.

Item 2 “Instructions to Bidders”

This project includes plan sheets that are not part of the bid proposal.

View plans on-line or download from the web at:

<http://www.dot.state.tx.us/business/plansonline/plansonline.htm>.

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Order plans from any of the plan reproduction companies shown on the web at:

<http://www.dot.state.tx.us/gsd/plans/companies.htm> .

Item 5 “Control of Work”

Contact TXDOT @ 210-615-5975 or San Antonio Signal Operations Office @ 210-207-5965, when construction operations are within 400feet of signalized intersections to determine/verify the location of loop detectors, conduit, ground boxes, etc. Signal equipment damaged by the Contractor will be replaced by the Contractor at their expense by a pre-approved method. Contact Transguide @ 210-731-5109 to coordinate location of their activities.

Item 6 “Control of Materials”

Remove materials or debris within the construction limits not incorporated in the finished roadway section of right of way and dispose of in a manner acceptable to the Engineer at the expense of the Contractor.

Materials that are not determined to be salvageable by the Engineer become the property of the Contractor for proper disposal at their expense.

If waste areas or material source areas result from this project, the Contractor is reminded to follow the requirements of the Texas Aggregate Quarry and Pit Safety Act. In addition, it is requested that these areas not be visible from any highway on the State system.

Item 7 “Legal Relations and Responsibilities”

The total disturbed areas within the project is anticipated at less than one (1) acre, therefore it is classified as “surface work” consisting of re-surfacing an existing roadway without shoulder-up disturbances. Due to this type of construction, the project qualifies for exclusion under the Construction General Permit (CGP) issued by the Texas Commission on Environmental Quality (TCEQ) on March 5, 2003. However; should the sum of the Engineer’s anticipated disturbances and the Contractor’s (On ROW and off ROW) PSL’s equal or exceed the one (1) acre threshold; both TxDOT and the Contractor have project responsibilities under the CGP that reverts to non-exclusion status. Obtain approval for all non-depicted areas of disturbance that increases the initial soil and vegetation disturbed area estimates before work starts at these locations.

Notify the Engineer of the disturbed acreage within one (1) mile of the project limits. Obtain authorization from the TCEQ for Contractor PSL’s for construction support activities on or off ROW.

Item 8 “Prosecution and Progress”

Between April 1st and October 31st the Texas Commission on Environmental Quality (TCEQ), is monitoring weather conditions on a daily basis in the San Antonio area to forecast the probability of ozone formation. In the event weather conditions indicate that excessive ozone may occur, the National Weather Service working with the TCEQ will issue an Air Quality

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Health Alert Day for the following day. TCEQ estimates that approximately 25 Air Quality Health Alert Days might be issued during the ozone formation season.

On Air Quality Health Alert Days, lane closures and the use of small gasoline engines will not be allowed until after 12 noon on all highways inside Loop 1604. The State will notify the Contractor by 4:00 p.m. of the day before the Air Quality Health Alert Day to inform them of the restrictions for the following day and to request their assistance in reducing any other operations that may contribute to an increase in the ozone readings. If these restrictions affect the critical items of work previously scheduled by the Contractor, a working day will not be charged. Time charges on these days will be as determined by the Engineer for each day.

Working days will be computed and charged in accordance with Article 8.3.C.1, Nighttime Work Only, Five-Day Workweek. Working days will be charged Sunday at 8:00 pm thru Friday at 6:00 am, excluding national holidays, regardless of weather conditions or material availability.

All work will be done between 8:00 pm and 6:00 am unless otherwise directed or approved.

Work is not to begin prior to March 1, 2011.

Item 9 “Measurement and Payment” (Police Officers – Force Account)

As directed or approved, provide uniformed, off-duty law enforcement officers with marked vehicles during work that requires a lane closure. The use and number of police officers with marked vehicles shall be approved by TxDOT at least 48 hours prior to any work day that the use of police officers is proposed for traffic control. No payment shall be made for any unauthorized police officers utilized that do not have prior TxDOT approval. The officer(s) in marked vehicle(s) shall be located as approved to monitor or direct traffic during the closure. The method used to direct traffic at signalized intersections shall be as approved.

Complete the weekly tracking form provided by the department and submit invoices that agree with the tracking form for payment at the end of each month approved services were provided. For reimbursement, the invoice must show the officer's name and badge number, or other form of identification acceptable to the Engineer, and date the police officer was utilized. The department will pay police officers only for the hours actually worked. Cancellation fees, minimums, scheduling fees, etc. will not be paid.

Item 300 “Asphalts, Oils, and Emulsions”

The asphalt binder used is the manufacture of the non-surface layers of hot mix asphalt concrete shall be PG 64-22.

The asphalt binder used in the manufacture of the hot mix asphalt concrete surface layer shall be PG 70-22.

Item 302 “Aggregates for Surface Treatments”

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Previously tested aggregates delivered to the project, which are found to contain excessive quantities of dust (more than 0.5 percent passing the No. 4 sieve) during precoating, stockpiling or hauling operations, may be rejected by the Engineer. Test Method Tex-200-F, Part I will be used for testing.

The San Antonio District Laboratory will utilize the Ignition Oven Method (Tex 236-F) for aggregate gradation, with the option of utilizing belt or vacuum extraction gradation in the event the ignition oven malfunctions.

Item 316 “Surface Treatments”

If emulsions are used, a minimum 24 hour curing period will elapse before placing any subsequent asphalt courses. Because of the required curing period, obtain approval before using emulsions.

When using latex asphalt, take precautionary measures to avoid drifting of asphalt onto traffic and adjacent properties.

Flux oil or emulsions may be used for precoating LRA and LRA-Trap Rock blends. When emulsions are used as the pre-coat material, the precoated aggregate will be adequately dried. Provide adequate drying and a minimum 30 day curing period before delivery of the aggregates.

Allow for the addition of lime slurry if the aggregates to be precoated are found to have stripping characteristics. If lime is required, lime meeting the requirements of Item 263 to the aggregate at the rate of 1% hydrated lime by weight of aggregate and shall be added in slurry form at the cold feed. The cost of the lime will be considered subsidiary to this Item. The lime slurry will be added at the stockpile, but not more than 24 hours in advance of use.

Ensure that the asphalt used for precoating the aggregate at the plant and the asphalt used for the surface treatment will not result in a reaction that may adversely effect the bonding of the aggregate and asphalt during the surface treatment operation.

The addition of baghouse fines will not be permitted in the production of precoated material.

Mixes that do not maintain flow qualities where the material can not be satisfactorily spread by approved mechanical spreading devices will not be acceptable.

Stockpiles of aggregate precoated with AC may generate excessive heat build-up resulting in damage to the asphalt and/or aggregates if adequate cooling has not been initially provided. Stockpiles showing evidence of heat damage (as determined by the Engineer) can be rejected by the Engineer.

Aggregates used for the final surface shall have a Flakiness Index not to exceed 15 and shall be subjected to 5 cycles of the Soundness Test in accordance with Test Method Tex-411-A. The percent loss shall not be greater than 30 when magnesium sulfate is used. This test will not

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apply to blends with crushed trap rock, crushed rhyolite, crushed limestone rock asphalt or lightweight aggregate.

Furnish aggregate with a minimum "B" Surface Aggregate Classification.

Item 320 "Equipment for Asphalt Concrete Pavement"

Construct all longitudinal ACP joints adjacent to a travel lane with a joint maker device that will create a 3:1 to 6:1 taper. For placement of 2 inches or more, the device shall provide a maximum ½ inch vertical edge. Taper outside edges (next to grass) or backfill (shoulder-up) the same day.

Use a material transfer device capable of transferring mix from the haul truck to the paver. Material transfer devices can include a pick up machine, such as a Lincoln 660 or similar.

Item 341 "Dense Graded Hot-Mix Asphalt (QC/QA)"

Table 8, in Item 341, Hamburg Wheel Test Requirements tested in accordance with Tex-242-F are changed for PG 64-22 or lower and PG 70-22. Minimum number of passes at 0.5" Rut Depth, Tested at 122 degrees F will be 5,000 and 10,000 respectively.

Design all mixture types using a target laboratory-molded density of 96.5%.

The asphalt plant shall have truck scales as defined in Item 520. Give three weight tickets bearing the date, the truck number, the gross, net & tare weights to the truck driver for the State inspector at the spreading and finishing operation. Trucks may be required to weigh on public scales or portable platform scales to verify the weight of the ticket.

Submit a copy of the Tex 233-F production charts on a weekly basis. At the end of the ACP work, provide all originals.

Crushing of aggregate for hot mix and immediate use for production of the mix is not allowed. Stockpile the aggregate until enough material is available for five days of production unless prior approval is provided. Hold a pre-placement meeting one month prior to the placement of the hot mix.

Do not use diesel or solvents as asphalt release agents in production, transportation, or construction. A list of approved asphalt release agents is available from the District Laboratory.

Schedule lay-down placement where uneven travel lanes are minimized and eliminated weekly.

If asphalt material is obtained from other than a commercial source presently inspected by TxDOT, furnish a Type D structure for the asphalt mix control laboratory for the Engineer's use. Provide a minimum height of 8 feet and a minimum of 400 square feet of gross floor area for permanently located asphalt plants or 200 square feet for a temporary plant. The floor area will be partitioned into a minimum of two rooms, with a minimum of two windows per room. The

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floor shall have an impervious cover and sufficient strength to support the testing equipment. Portable structures shall be support blocked for stability and shall be tied down.

Minimum Roadway Placement Temperature**--Item 340, 342, 344, 346, 3000 & 3001—**

Place mixture when the roadway surface temperature is equal to or higher than listed in Table 1 unless otherwise approved or shown on the plans. Measure the roadway surface temperature with a handheld infrared thermometer. Placement may be allowed to begin prior to the roadway surface reaching the required temperature if conditions are such that the roadway surface will reach the required temperature within 2 hours of beginning placement operations. Place mixtures only when weather and moisture conditions of the roadway surface are suitable in the opinion of the Engineer.

Table 1
Minimum Pavement Surface Temperatures

Minimum Pavement Surface Temperatures in Degrees Fahrenheit *			
Specification Item Number	High Temperature Binder Grade	Subsurface Layers or Night Paving Operations	Surface Layers Placed in Daylight Operations
Items 340 & 344	PG 64	45	50
	PG 70	55	60
	PG 76	60	60
Items 342 & 346 SS 3000 & SS 3001	PG 76	65	70
	Asphalt Rubber (A-R)	65	70

* Except for PG 64, may pave at temperatures 10° F lower than the values shown in Table 1 when utilizing a paving process or equipment that eliminates thermal segregation. In these cases, use either an infrared bar attached to the paver, or a hand held thermal camera, or a hand held infrared thermometer operated in accordance with Test Method 244-F to demonstrate that the uncompacted mat has no more than 10° F of thermal segregation.

Item 351 “Flexible Pavement Structure Repair”

Remove all loose sub-base material encountered below the specified depth of the flexible pavement structure to be repaired or replaced with Type B hot mix.

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For pavement repair, remove only the amount of pavement which can be replaced within the same work day.

Item 354 “Planing and Texturing Pavement”

The planed asphalt material from the IH 410 southbound lanes will remain the property of TXDOT and is to be stockpiled in an area approved by the engineer located at US 90 at Hunt Lane, all other planed asphalt material will remain the property of the contractor.

Take precaution to avoid damage to existing bridge decks and armor joints. Repair any damage to the bridge decks and/or armor joints as approved and at the contractor’s expense.

Item 454 “Bridge Expansion Joints”

For header type bridge joints with or without sealant the following suppliers are approved.

SSI-XJS
Richard Waters
4021 Benbrook Highway
Fort Worth, Texas 76116
(817) 731-7890

BASF
WABOCRETE II
Mark Huff
3011 Heatherpark Drive
Kingwood, Texas 77345
(713) 392-4833

Item 502 “Barricades, Signs, and Traffic Handling”

Furnish and install all signs, barricades and other incidentals necessary for proper traffic control, in accordance with part VI of the “Texas Manual on Uniform Traffic Control Devices for Streets and Highways” and in accordance with the standard plan sheets. Additional devices may be needed to supplement these requirements. All warning signs shall be factory made and in satisfactory condition.

When a Traffic Control Plan (TCP) standard requires the use of one of the following devices, a Type III barricade, channelizing devices or shadow vehicle with orange flags or warning lights, use a shadow vehicle equipped with a Truck Mounted Attenuator (TMA).

In addition to providing a Contractor’s Responsible Person (CRP) and a phone number for emergency contact, have an employee(s) available to respond on the project for emergencies and for taking corrective measures within 30 minutes.

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Any lane closures will require prior approval. Request approval 48 hours in advance of lane closures. If a lane closure has to be cancelled due to weather or other unforeseen circumstances, immediately notify the inspector and reschedule the lane closure as necessary.

Erect signs in locations not obstructing the traveling public's view of the normal roadway signing or necessary sight distance at intersections and curves.

Arrowboards are required. Provide a standby unit in good working condition at the jobsite ready for immediate use.

Item 506 "Temporary Erosion, Sedimentation, and Environmental Controls"

Should erosion control devices become necessary for the project, the SW3P must consist of temporary sediment control fence as directed.

Item 585 "Ride Quality for Pavement Surfaces"

Use Surface Test Type B, pay adjustment schedule 2 to evaluate ride quality of travel lanes.

Item 662 "Work Zone Pavement Markings"

Remove work zone marker tabs placed prior to the final course of asphaltic concrete pavement daily as the ACP operations progress. This removal is subsidiary to this Item.

Paint and beads are allowable for use as work zone pavement markings after the planing operation of this contract.

Item 666 & Item 8251 "Reflectorized Pavement Markings"

TY I material will be TY B-Alkyd in accordance with DMS-8220.

After the surface has cured for a minimum of two (2) calendar days, been cleaned and prepared according to the specifications and as directed. The thermoplastic (Type I) markings may be applied directly over existing painted pavement markings where applicable.

The thickness of TY I markings for all lines (lane, edge, no passing, etc.) shall be 0.10 inches (100 mills). These thicknesses (not including the thickness of the surface applied glass beads) are required for the full width and length of the line being placed.

Item 672 "Raised Pavement Markers"

Place all adhesive material directly from the heated dispenser to the pavement. Do not use portable or non-heated containers. Use adhesive of sufficient thickness so that when the marker is pressed into the adhesive, 1/8" or more adhesive will remain under 100% of the marker. The

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adhesive should extend not less than $\frac{1}{2}$ " but not more than $1 \frac{1}{2}$ " beyond the perimeter of the marker.